TABLE OF CONTENTS

Preliminary Screening for Potential Algicides
C. Mervin Palmer and Thomas E. Maloney 1

The Progress of Nationalism in West Africa Roderick Peattie 9

Ground-Water Hydraulics as an Aid to Geologic Interpretation
William C. Walton 13

A Preliminary Note on Egg Production from Milk-Fed Mosquitoes
A. O. Lea, J. A. Knierim, J. B. Dimond and D. M. DeLong 21

Spontaneous Goiter and Cancer of the Thyroid in Animals
Hans G. Schlumberger, M. D. 23

Chemical Dating of Bronze Coin Blanks from the Athenian Agora
Earle R. Caley and Wallace H. Deebel 44

Physiological Processes Associated with Sperm Emission in the
Leopard Frog, Rana Pipiens M. L. Giltz 47

New Ohio Rhynchophora. I. (Coleoptera, Curculionidae)
Elbert L. Sleeper 54

Two New Ohio Localities for the Red-Bellied Water Snake
Roger Conant 61

Control of Spittlebugs on Strawberries E. P. Breakey 63

The Ohio Flora Project 64

Book Notices 8, 12, 20, 22, 46, 53, 60
THE OHIO JOURNAL OF SCIENCE

EDITORIAL STAFF

RICHARD H. BOHNING....................Editor-in-Chief
RICHARD A. POPHAM....................Business Manager
FRANK W. FISK............Book Review and Associate Editor

R. S. BABY, E. H. ELLISON......Medical Sciences
Anthropology and Sociology
L. R. WYLYE..Physics and Astronomy
W. F. KIEFFER............Chemistry
A. H. BLICKLE.........Plant Sciences
K. W. HUNT............Conservation
VIOLET R. STRAHLER,
MILDRED DANKLEFSEN......Geography
Science Education
J. M. SCHOPF.............Geology
J. A. MILLER...............Zoology

JOINT ADMINISTRATIVE BOARD

For Ohio State University: BERNARD S. MAYER, EDMUND M. SPIEKER
For Ohio Academy of Science: WILLIAM C. BEAVER, ARTHUR W. LINDSEY

Published jointly by the Ohio State University and the Ohio Academy of Science

MANUSCRIPTS. THE OHIO JOURNAL OF SCIENCE accepts manuscripts on any scientific subject from contributors living anywhere in the world. The manuscripts may be reports of recent research, review or expository articles, or part of a symposium on a subject of general scientific interest. All manuscripts are subject to approval by the editorial staff. One original copy only need be submitted to the Editor. A carbon copy should be retained by the author in case of loss of the original and for reading the galley proof. Galley proof and engraver’s proof but not original manuscript will be sent to authors. Care should be taken to furnish a correct mailing address. See cover page 3 for detailed instructions concerning the preparation of manuscripts.

PREPUBLICATION REVIEW AND REVISION. Every paper is read and criticized by a reviewer. The author is subsequently given an opportunity to revise the paper in accordance with the reviewer’s suggestions. This procedure is not intended to imply any reflection on the merits of individual papers but is solely for the purpose of improving the quality of articles appearing in the Journal and to reduce publication costs.

REPRINTS. A price list for reprints and an order form are sent with proof.

SUBSCRIPTIONS. Annual subscription, $4.00. (foreign countries, $4.50). Single numbers, $1.00. One volume appears each year and contains six numbers. THE OHIO JOURNAL OF SCIENCE is sent without additional expense to all paid-up members of the Ohio Academy of Science.

MAILING ADDRESS. All manuscripts, illustrations, proofs, and correspondence dealing with editorial matters should be addressed to the editor, Dr. Richard H. Bohning, Botany and Zoology Building, The Ohio State University, Columbus 10, Ohio. All remittances and correspondence dealing with subscriptions and other business matters should be addressed to the business manager, Dr. Richard A. Popham, Botany and Zoology Building, The Ohio State University, Columbus 10, Ohio. Failure to receive any number of the JOURNAL must be reported within three months of date of issue if claim is to be recognized.

Printed in the United States of America by THE SPAHR & GLENN COMPANY, COLUMBUS, OHIO